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DIE CONCHYLIEN

DES

MAINZER TERTIÄRBECKENS.

VON

DR. FRIDOLIN SANDBERGER.

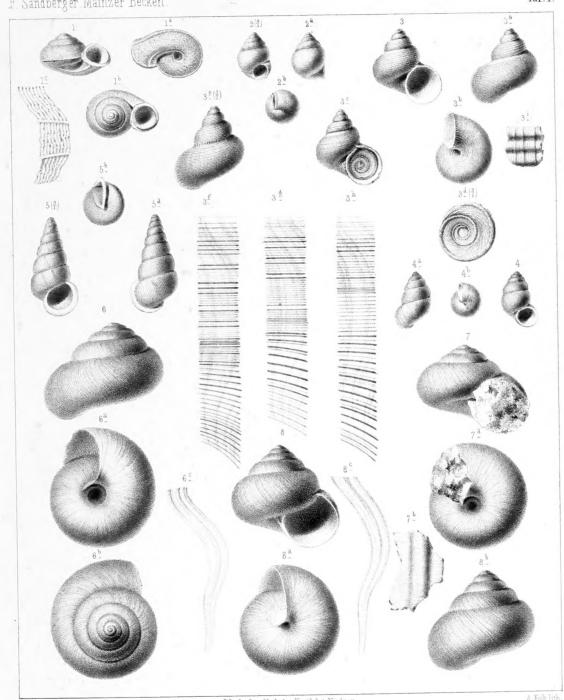
PROFESSOR DER MINERALOGIE AM GROSSHERZOGLICHEN POLYTECHNICUM ZU KARLSRUHE

TAFELN.

WIESBADEN:

KREIDEL UND NIEDNER, VERLAGSHANDLUNG.

1858. 5 i s 1862.

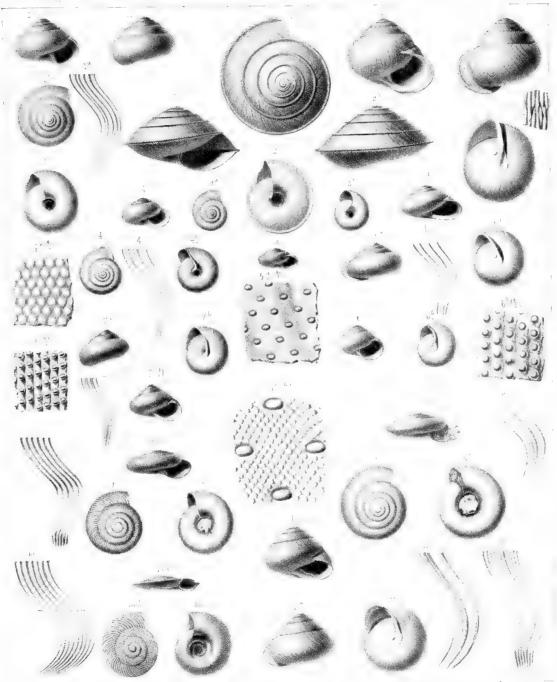


Wiesbaden, Verlag v Kreidel & Niedner

- 1. Strophostoma tricarinatum M. Braun. 2. Graspedopoma utriculosum Sandb. 3. Cyclostoma bisulcatum v Žiethen.
- 4. Cyclostoma Pupa A. Braun 5. Pomatias Labellum Thomae sp.

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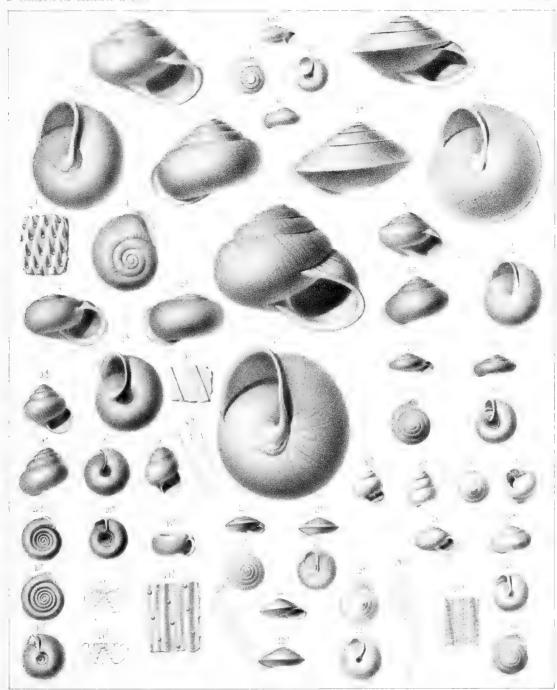


Helix Goldfussii Thomae _____ imbricata A. Braun ____ deplanata Thomae. ____ subvillosa Sondo. 7. 2. 3. 4

Wiesnaden Verlag v. Krejdel & Niedner.

Helix punctigera Thomae
crebripunctata Suidb
suboccidentalis Sandb.
lunula Thomae.

Helix multicostata Thomae
disculus A Braun
subsoluta Sandb
expansilabris id.



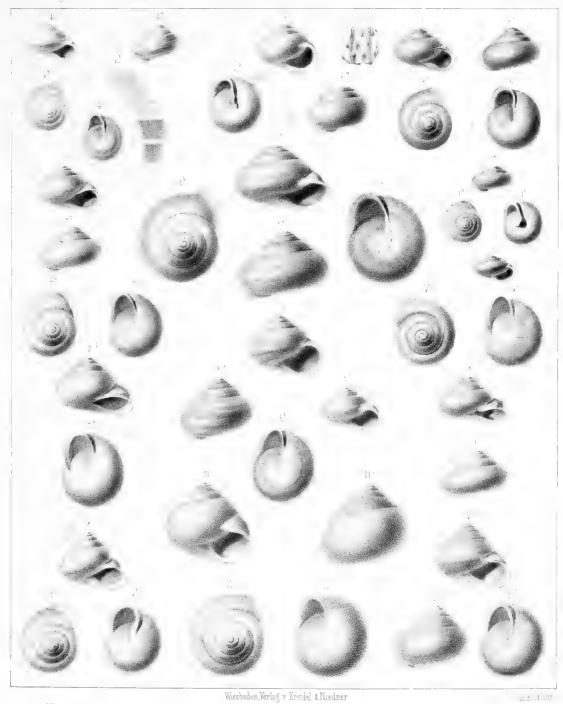
Helix pomyformis A. Braun Mattiaca Stein. Rahtii A. Braun. Lepidotricha A. Braun.

5.67.8.9.

Wiesbaden, Verlag v. Kreidel & Niedner.

Helix subcarinata A. Braun.
pulohella Mull.
uniplicata A. Braun
pupula A. Braun
paludinasformis A. Braun.

10 Helix involuta Thomae 11. phacodes id 12 sublenticula Sandi 13. osculum Thomae typus.

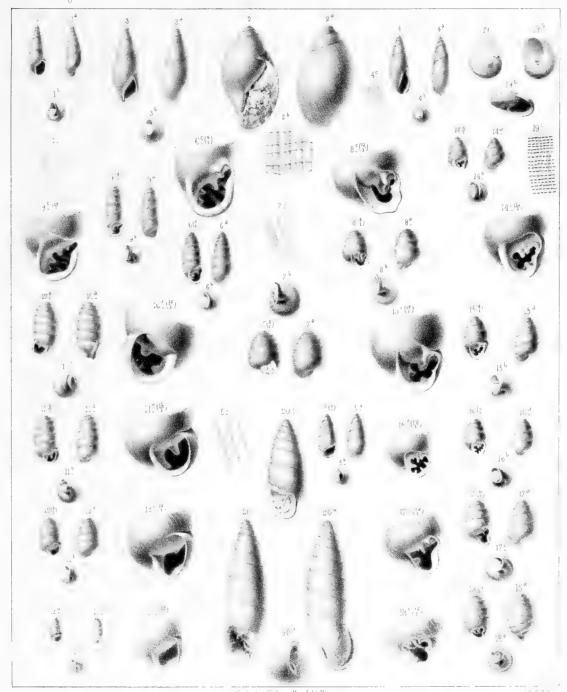


Helix osculum Thomae var depressa — affins id — Moguntina Desh. var mayor ead. var munor

Helix Moguntına Desh. var ead. var splendidaeformis Helix deflexa A Braun

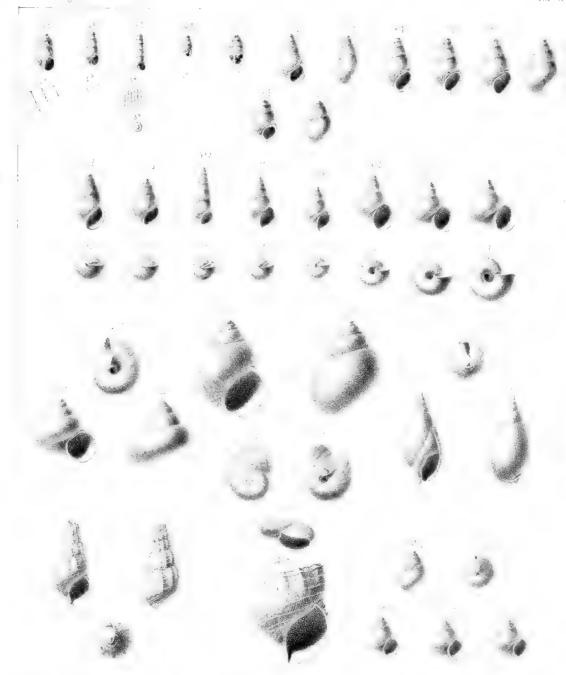
Helix hortulana 1. 1
axystoma id
subsulcesa id
Ramondi M. Brongn





1. Bultinus gracilis Thomae
2. Olandina cancellata Sandb | 8 Pupa lameliidens Sandb | 10 pulisms Sundo | 10

		. *	



. Index Chemics of Mona

Lunz Saturalis A Braun sp

Lunz Subtilisions

Truncatella microseras, 4 Braun sp

Carychium nanum Sando

antiquum A Brzun

Wiesbaden Verlag von Kreidel & Niedner

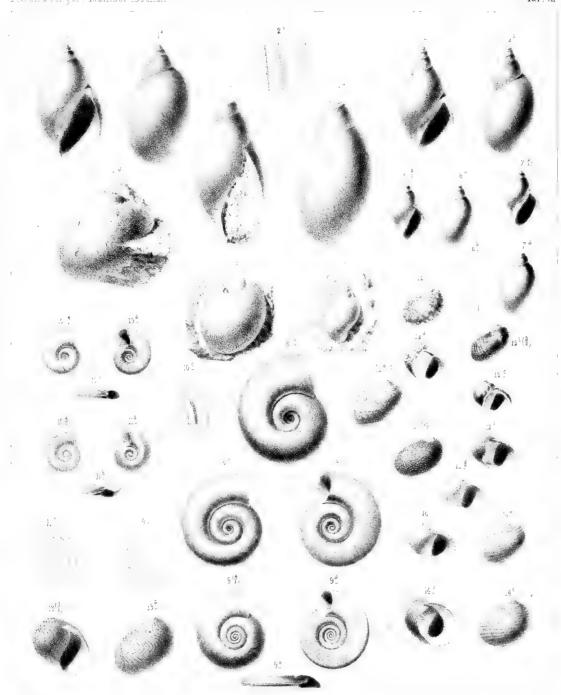
Tulsata deltata Servi)

Leptopomia inornatium Sando

Melanopsis vulosa A 5-20 i

Kishina Bischem Al Brongn





Lith	Anst.vJ	Lehnh	ardt	ın Mainz

7	Limneus pachygaster	Thomae
2.	subpalustris	id.
2	amaka aassa	- 2

cretaceus id pachygaster id.juv. bullatus v.Klein

Wiesbaden Verlag v Kreidel & Niedner

Limneus minor Thomae .

acutilabris Sandb

Planorbis solidus Thomae .

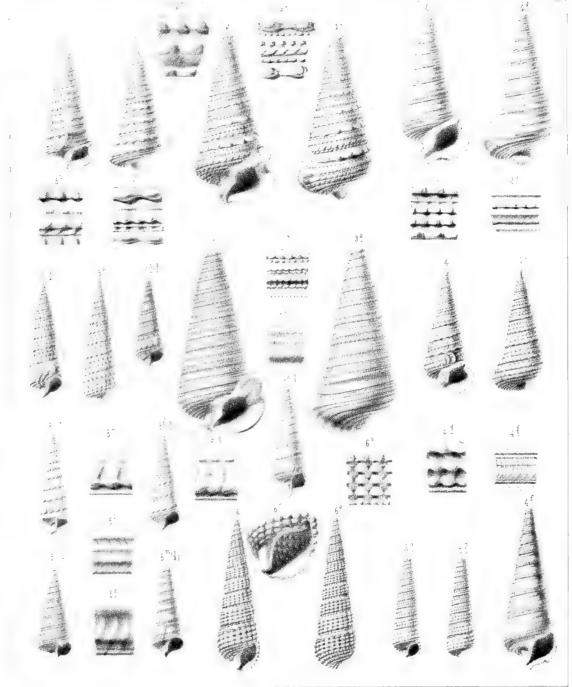
declivis A. Braun .

laevis v Klein .

6. 7. 8. 9. 10.

J B. Rolt hat

11 Planorbis semicostatus Sando - Licio Sireni - Planorbis semicostatus Sando - Licio Sireni - Callifera Sando - Callifera Sando - Liminifera Sand



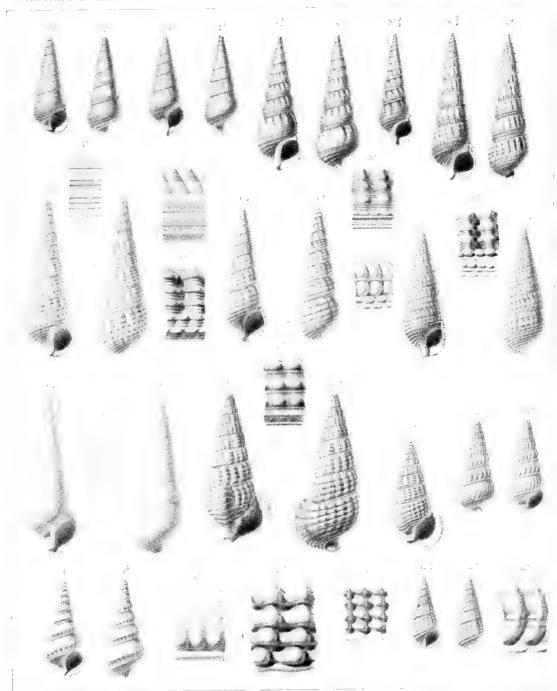
Wiesbaden, Verlag von Kreidel & Hieiner

Lish Anst v J Lehnhardt in Mains.

1 Ceruthium conjunctum

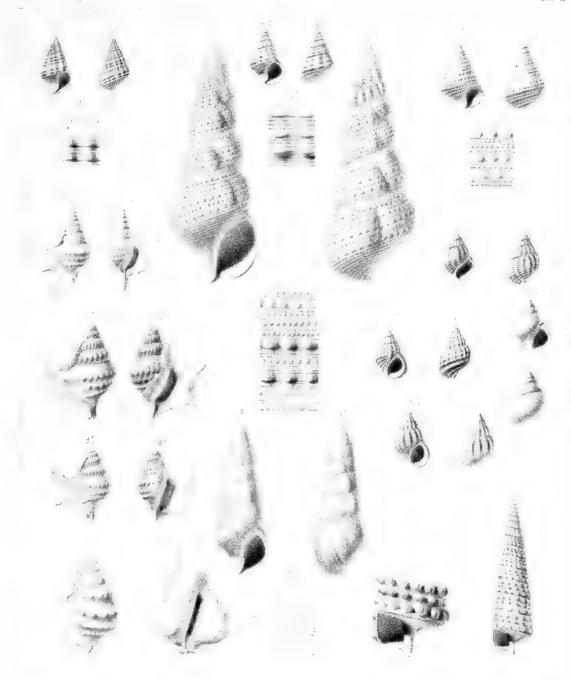
Certhium conjunctum Desh ——— margaritaceum Brocchi varcalcaratum Grat. id. var moniliforme Grat.

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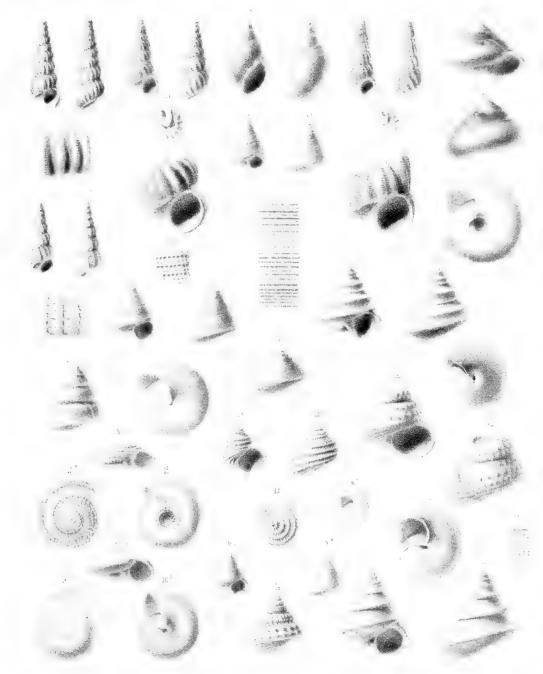
to And v.S. Lehnhardt in Mainz.

1. Ceruthium plicatum Lam var enodosum 5,6 Ceruthium plicatum var multinodosum 5,6 Ceruthium plicatum var multinodosum 5,6 Ceruthium plicatum var pustulatum 6,7 id plicatum Lam var pustulatum 6,7 id plicatum Lam var pustulatum 6,7 id laevissimum 7,86hlocts sp 2, o id dissitum Desh



Aissoa succincia Nyst Duboisii id



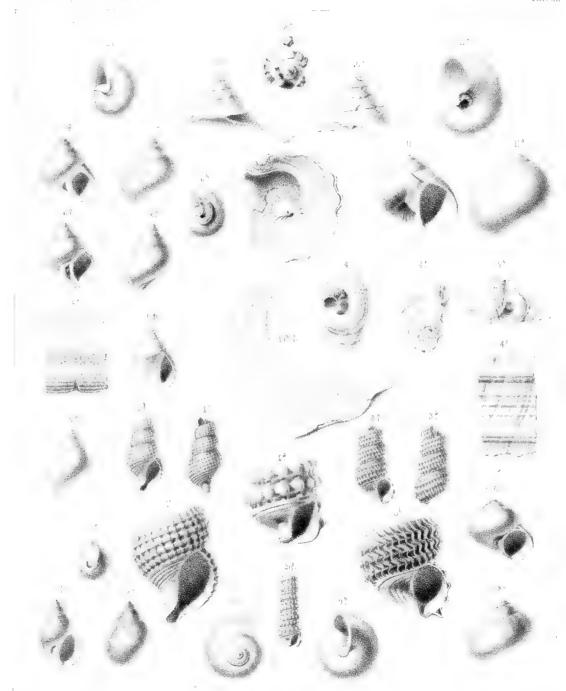


1. Scalaria pusilla Phil
2. — crassitexta Sandb
- ru i Phi
4. — recticosta Sandb
5. Phasianella multicingulata Sandb

Wir Laden, Verlog v Kreidel & Niedner
Trochus incrassatus Desh (1)
rhenanus Merian (2)
sexangularis Sandb
ambly conus id
margaritula Merian
trochlearis Sandb

Turbo alterninodosus Sandò
cancellato-costatus id
alterninodosus id.
Solarium bimoniliferum id
Adèorbis decussatus id





n. India Arst v I behahardt in Mainz.

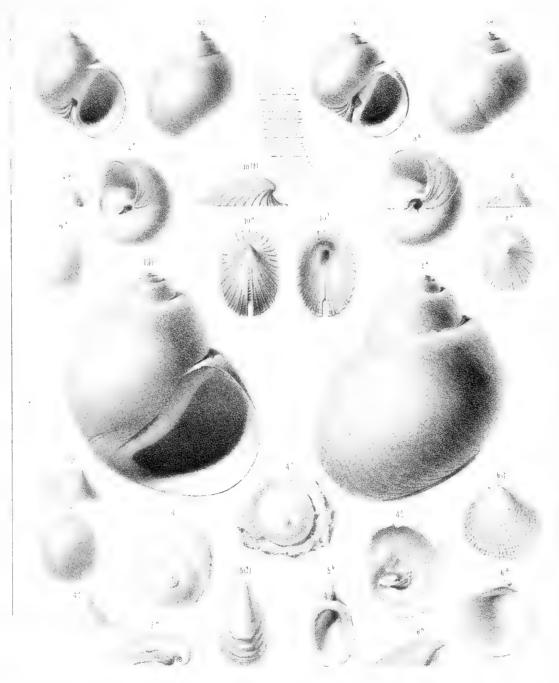
1 Cerichium evari osum Sundb 2 _____ bimoniliferum id 3 Turriella crispula id 4 Vermetus imbricatus id:

Wiesbaden, Verlag v Kreidel & Niedner

L:torina obiusangula Sanib Lacuna eburnaeformis id — subeffusa id

Lacuna labiata Sardi Cyclostremma nitidum id Xenophora Lyellana Bosq Natica hantoniensis Som

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th Anst v.J. Lehnnardt in Mainz

Natica crassatina Iam.
micromphalus Sandb.
conomphalus id.

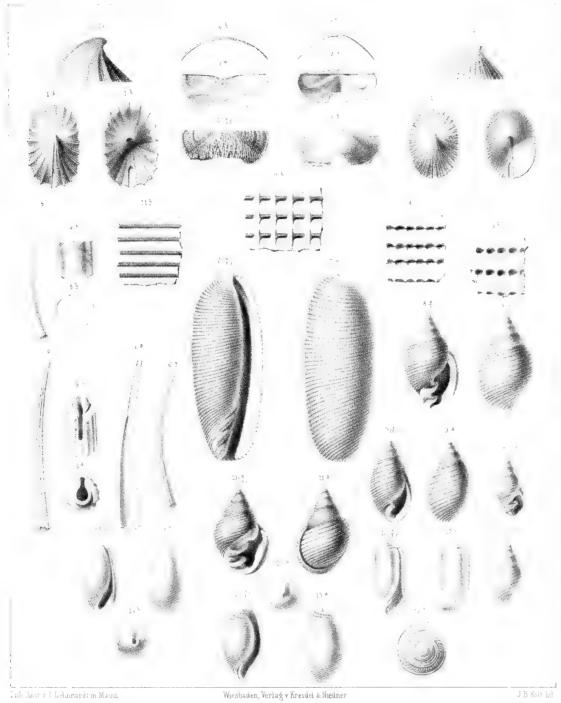
Wiesbaden, Verlag v Kreidel & Niedner

Calyptraea stratella Nyst. Capulus navicularis Sandò transpersus id Patella moguntina A Braun

JB Kolb mt

8 Patella altermesstata Sundb 9 — excentrica id 10 Emarginula oblonga id.

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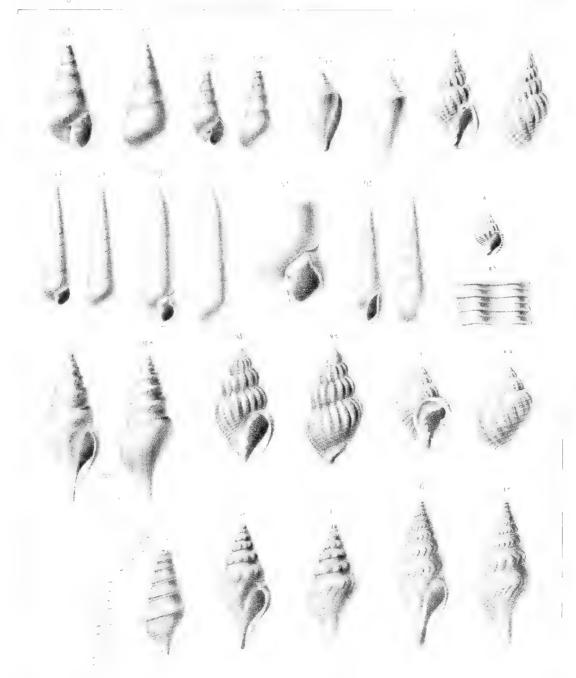
Lith Anst v J Lehamardt in Mainz

- 1. Emarginula Schlotheimi Bronn
 2. _______conica Sandb
 3. Chiton tenussimus id
 4. ______ origifer id
 5. Dentalium Sandbergeri Bosquet

- Dentalium Kickxii Nyst Valvaria multicingulala Sando Ternatella Nystii Duchastel limneiformis Sando acuta id

- 11 Ringicula acuta Sandb 12 Billa nitens id 13 turgidula Desh 14 conoidea id

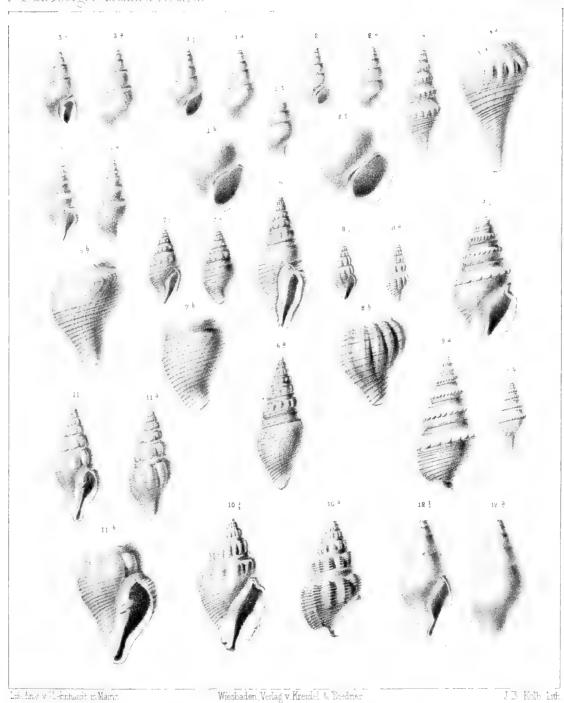
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latr. Anst v. I. lehnhardt in Mainz

- Wiesnoden, Verlag y Kreidel & Nieuter
 5 Ferbonella digitales Sandb
 5 Eulima acicula : d
 7 Cancellaria Snurvana Mys.c
 8 _____ ringens San Le
 9 _____ minuta A Braun

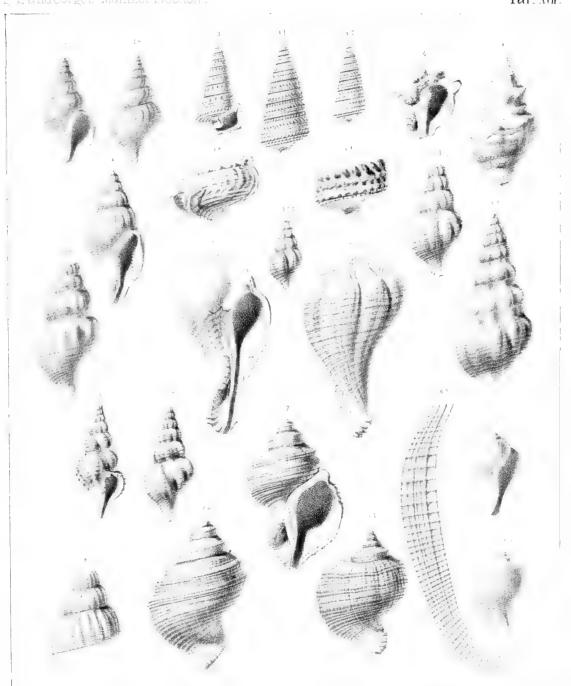




- 1 Luorinella Draparnaudu Nyst sp. 2. Taxostoma Sandb 3 Odontostoma scalare Sandb 4 Fleurotoma Selysii De Kon var .

Wiesbaden, Verlag v. Kreidel & Riedner

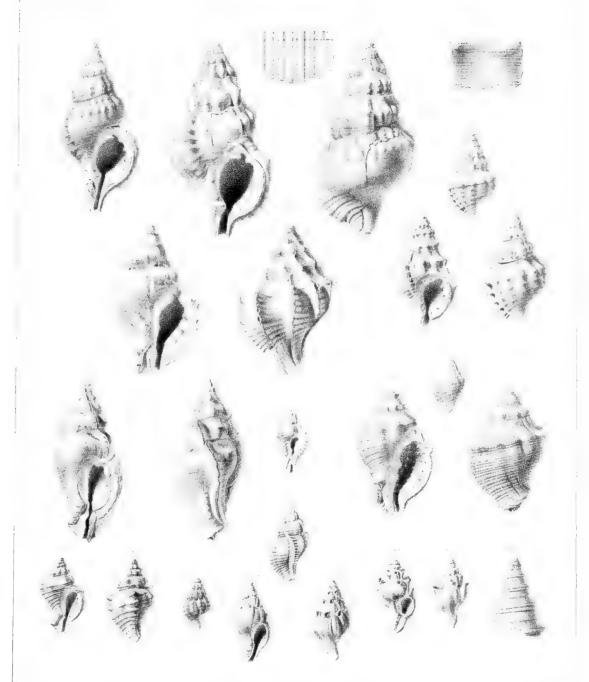
- 5 Pleurotoma farkınsonu Deshağes 6. obliqarındosa Sanab 7. subconoidea Sanab 8 scalarıaeformis Sandb
- 9. Pleurotoma subdenticularia Minst. 1 St. Planto 11 Bosonia Delucii Nyst 12 Columbella inornata Sandb



Lith Anst v J Lehnhar at in Mainz

1 Eusus proexus Sardb 2. ____ plumbelliformus. rd. 3 Cerutruum elegaris Desh.

4 Turbuella scalaris Sando 19 Fondon carcolatus Thomas ...
5 Fusus elongatus Nyst
6 _ retrorscosta Sando.



Life Anst v I Leannardt in Meinz.

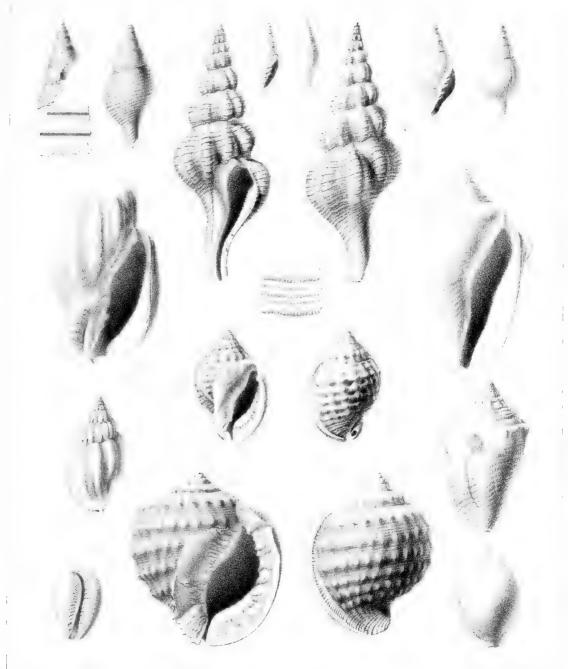
- l Severum flandrieum de Kon froeolaum Sendl Merex Deshajesu Nys + ___ Lunneku Gra

V. baden, V. rlog, v Kreid L& Williams

- 5. Mure, o reputas Grat 6 - sussecuis A Frain. 7. - st.

- 8 Testin, common and the specific of Cuma on the Test Test To and the Pleurotoma bicingulata Sandt

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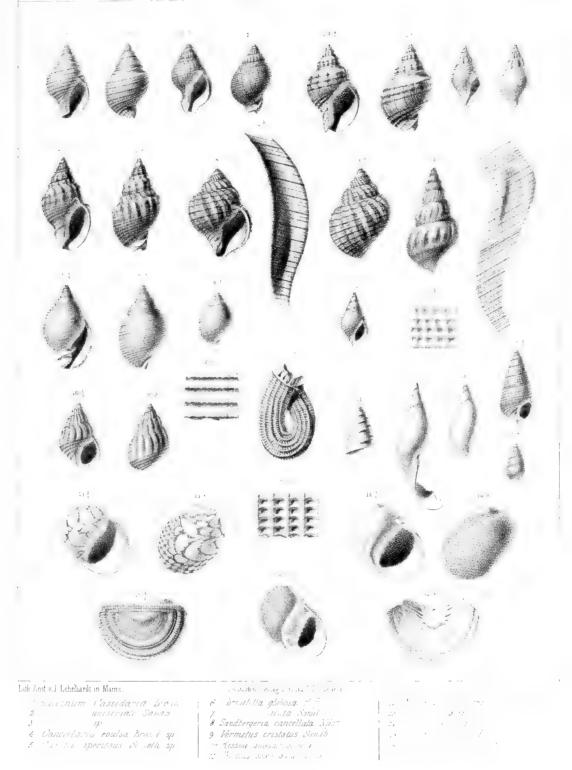
Ansı v J.Lehnhardt in Mainz

1 Fusus Waelii Nust var. 2 — multisulaatus id 3. Mitra semiplicata Sandb

Wiesbaden, Verlag, v Kreidel & Niedner.

Mitra perminutx. A Braun
 Voluta modesta Merian
 Rathieri Hébert

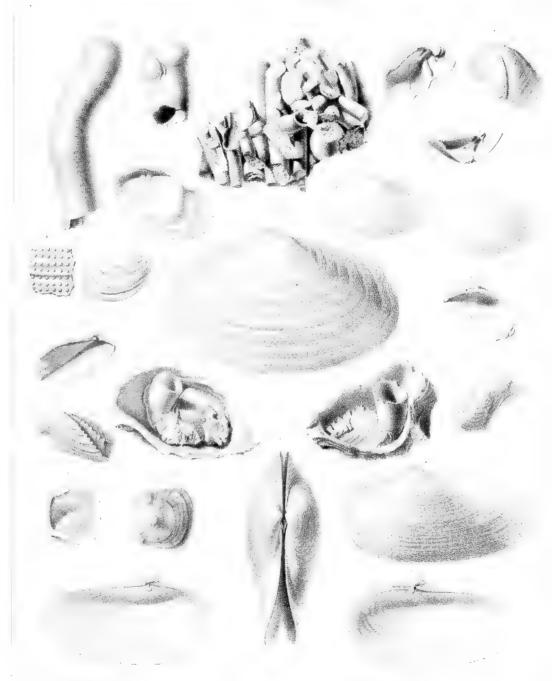
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Tath Anst v.J. Lehnhardt in Mainz.

- * Seconum ("assidaria broni 2 unistriate Sonas 3 gr 4 Canceilaria coulsa Brani sp 5 ''x 24 speciosus Sciolh sp

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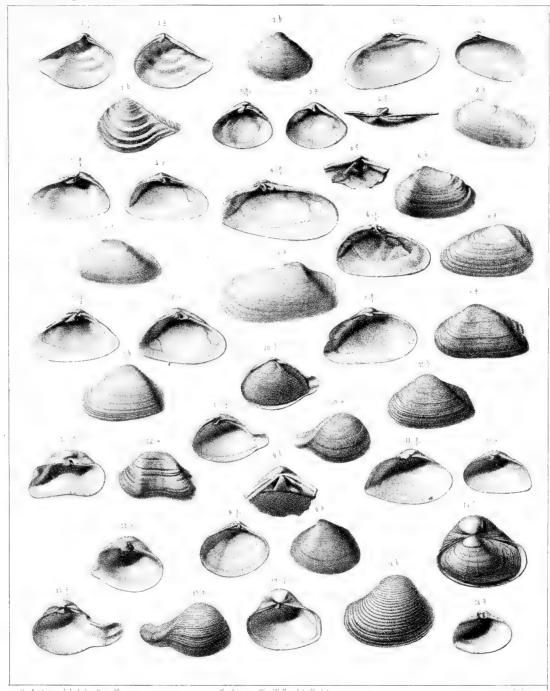


Lie Art v I behinarit in Mainz

· Toods anguinus, Sandt t Parapholas subtriparida, rd t Clavigella latipes, rd

Wiesbaden Chr. W Kreidele Veilag





ath Anst von J Lehnhardt in Mainz

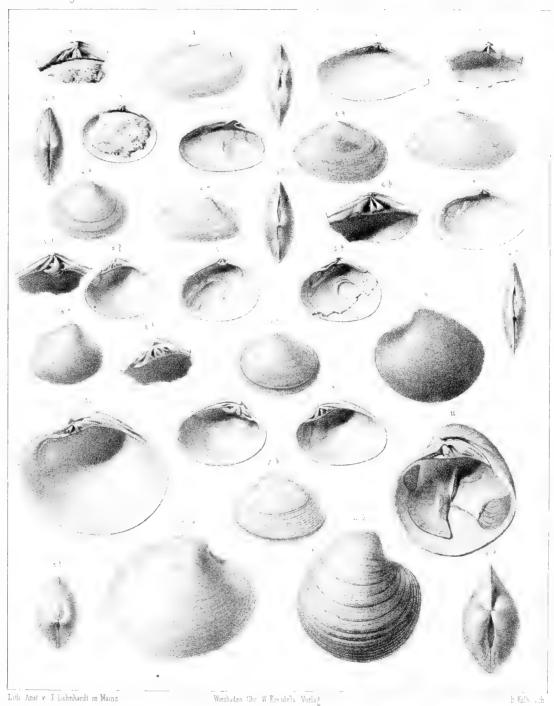
Mesbaden, Chr W. Kreidels Verlag

- 1. Spheniopsis scalarıs, Braun sp 2. Sphenia, papyracea, Sandb 3. Corbulomija triangula, Nijst. 4. elongata, Sandb

- 5. Corbulomya nduda Sandb
 6. ____ sphenoides, 2d
 7. ___ crassa, id
 8 || Corbula ubarata, id
 9 Mactra fabula Sandb

- 10 Corbula longurostris Desc 12 bringalis, Sans'i 13 Broke trana Nos 14 marti an ilini

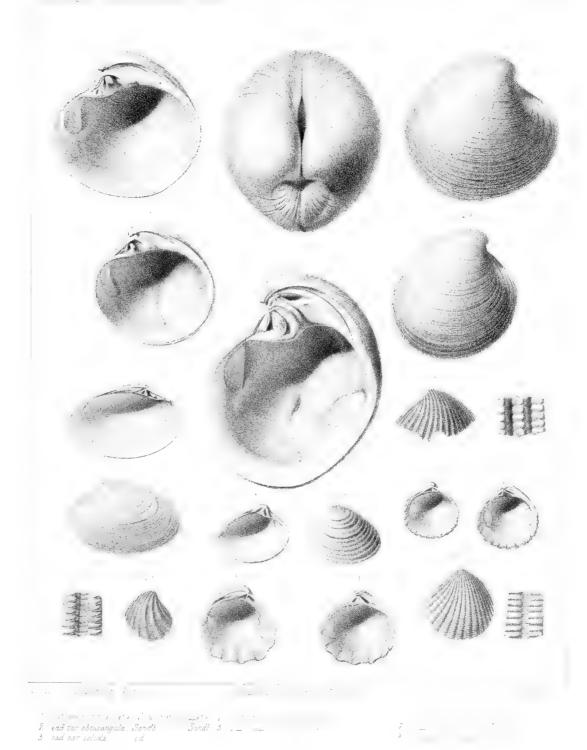
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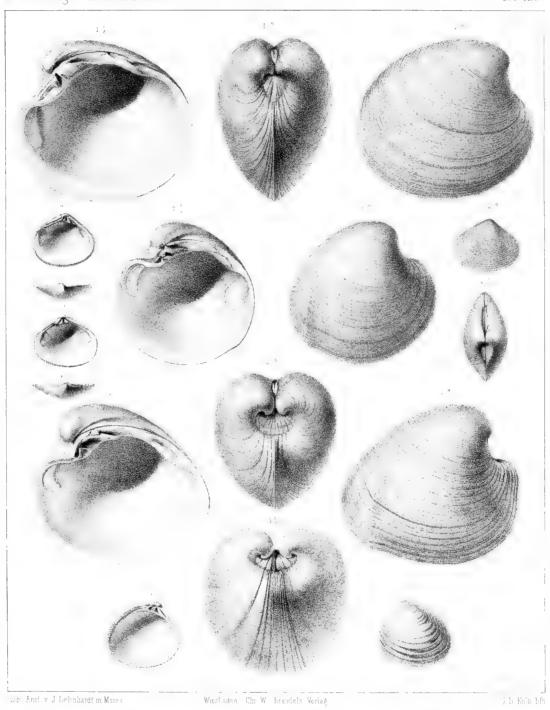
- 1 Psanviolisa plana . Lesh 2 Thracia esunyuta , Sandb 3 Syndosmya degans , Desh

- 4 Idlina Heberti, Drs. 5 Iaba, Sando 6 Nysti, Desh 7 Cytherea subaruta, Sando.





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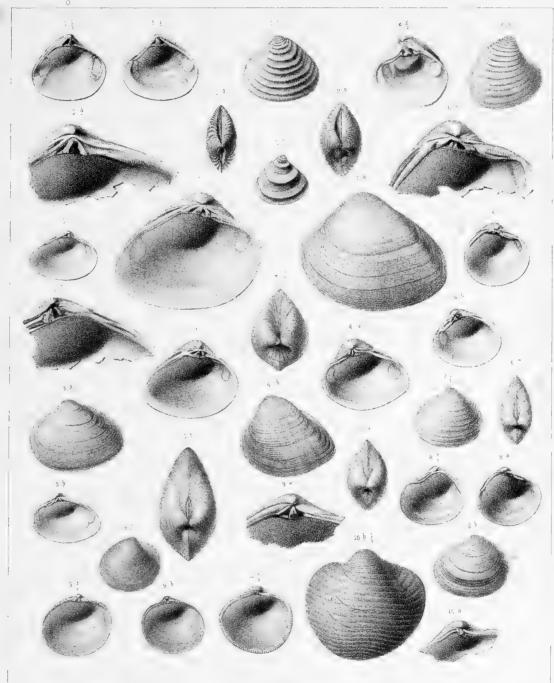


yprom edundata A Brown

3 Isocara a subtraci-versa D'Ort

a victor in it. He i Hocka ame a Sand



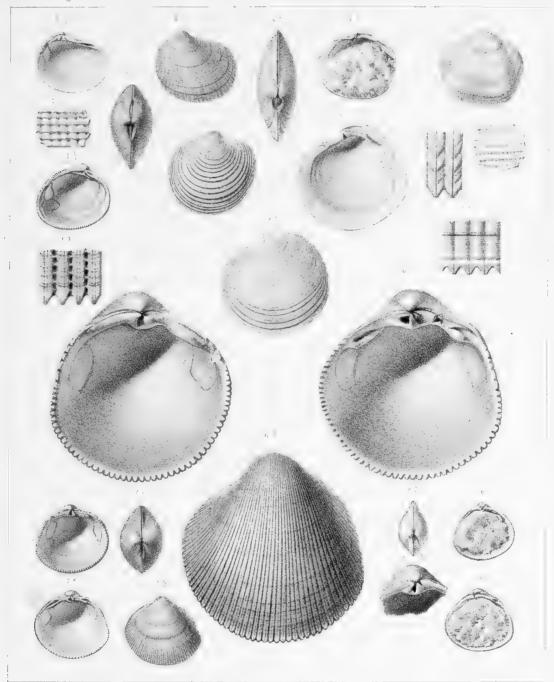


Lith Anst. v J Lehnhardt in Maraz

Wiesbaden, Ch W Krendels Verlag.

J B Kolb, lifth

- 1 Astarte phicata, Merian 2 rostrata, Sandh. 3.4. Cyrena semistriata, Desh.
- C (Corbicula donacina, Braun. ——— Faujasii, Desh. Pisidium antiquum, Braun



Lish Anst v J Lehnhardt in Marnz

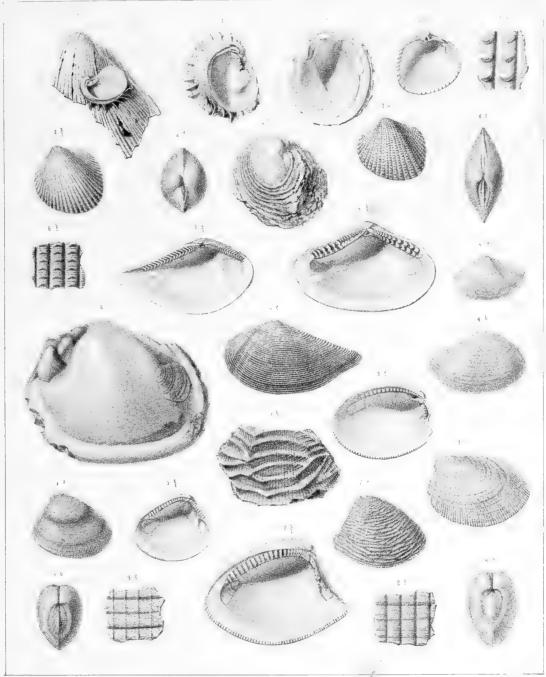
Wiesbaden, C. W. Kreidels Verlag

1 Woodra lamellosa, Sandô 2. Lucina squamosa, Lam 3. ____ Heberti Desh

4 Lucina seruisicia, Piet

5 Caraium anarchierum, 3

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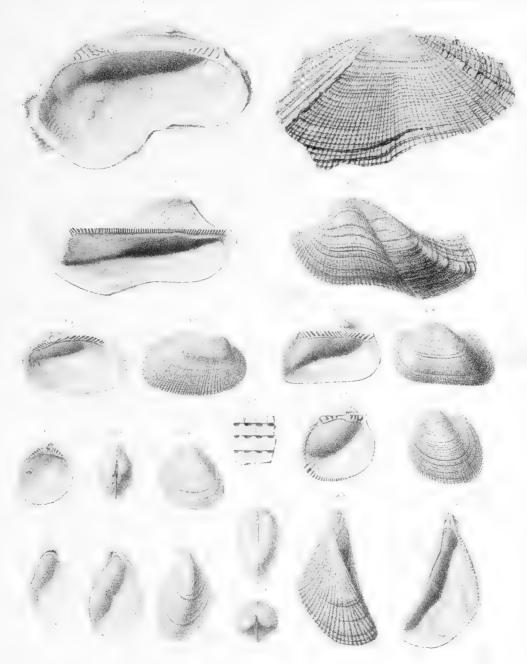


Iam.Anst v.J Lehnhardfon Manz

Wiesbader, Ch. W Krendels Verling

Leda Deshayesiana, Duch sp. 7. Nucula Crastelvi. Nys*
— gracilis, Desh. 8. Lyethana, Rosa
Unio pinguis, Sandb 9. piligera. Sandi





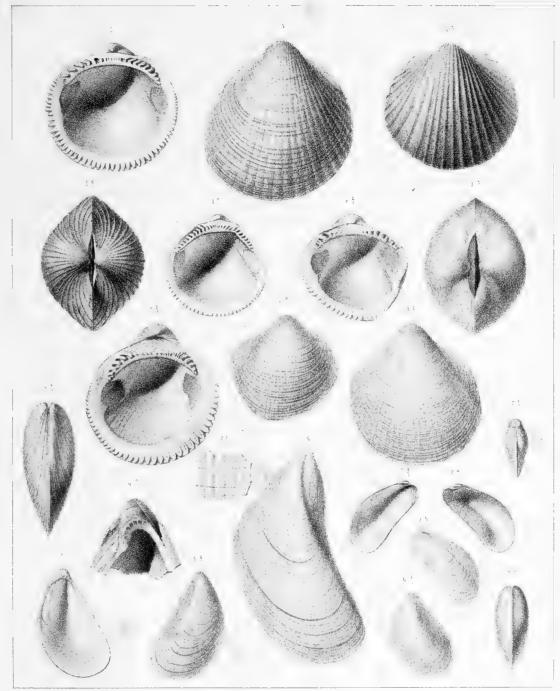
Life hist r. J Lebahardt in Manz

Arca rudis, Desh — Sandbergeri, id — Lecussata, Nyot

Wiesbaden, Ch W Kreidels Verlag

Arca pretiesa, Desh Limopsis inquidens, Sandt





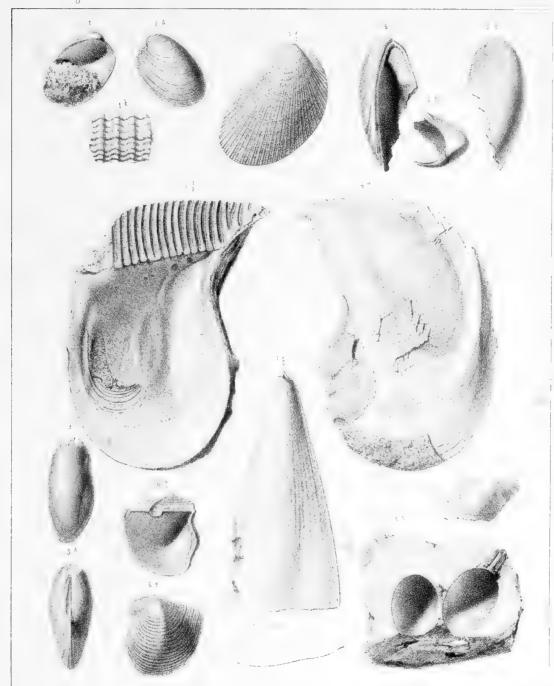
Irih Anst v.J. Lebnhardt in Manz

Wiesbaden, Ch.W. Kreidels Verlag.

J 3 Edo lela

1 ^e Pectunculus angusticostatus, Lam 2. id. var. obliteratus, Desh. 5 Pectunculus oberatus, Lan 4 Mytilus acutirostris, Sana 5 ____ Faugasti, Brongn 6. Myorlus socialis, A Braun 7. Modiola argusta is.

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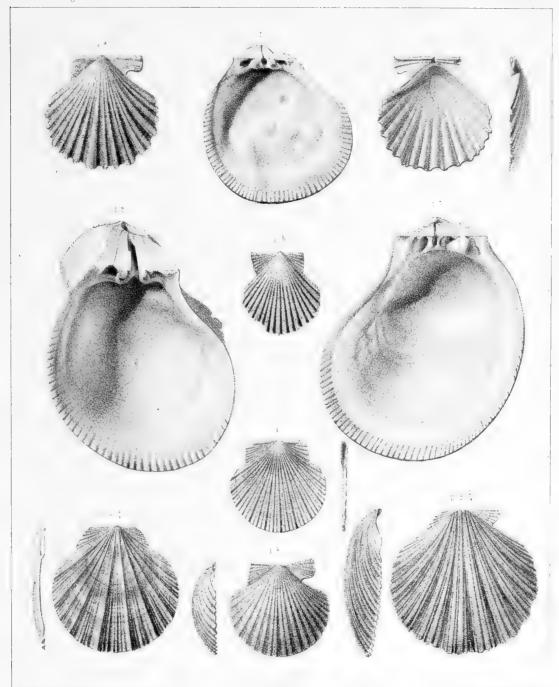


50 a Centerla Mari

Wiesbader, Cli. W. Kreidels Verlag.

- 1. Modiola micans, Braun. 2. — Nystii Kickx sp 3. Finna indeterm.
- 4. Perna Sandbergeri Desh 5. Anicula stampinensis id
- 6 Avicula ecandat i Suno 7 Lima Sandbergeri Des

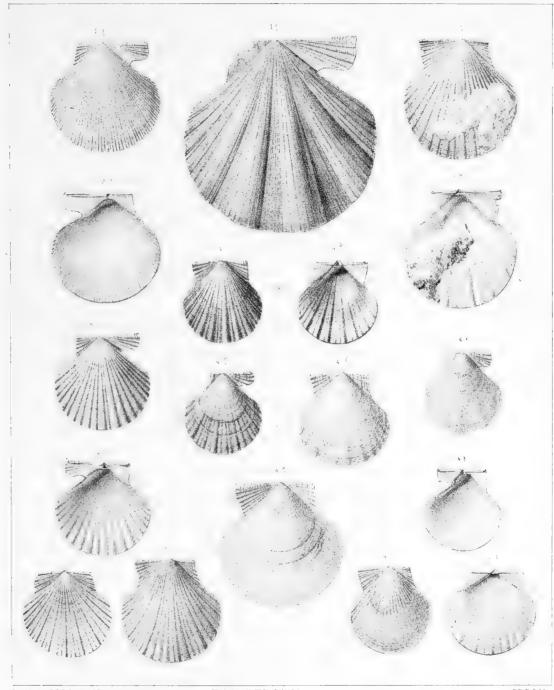
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Treumhardt in Mainz

To palm ChW Kredels feria

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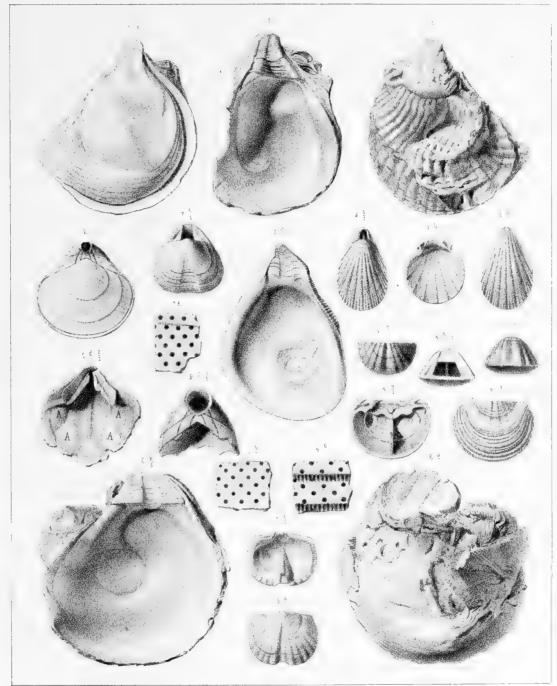


Tith Lost v 3 Lebihardt in Mainz

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I.B Kolb bfh





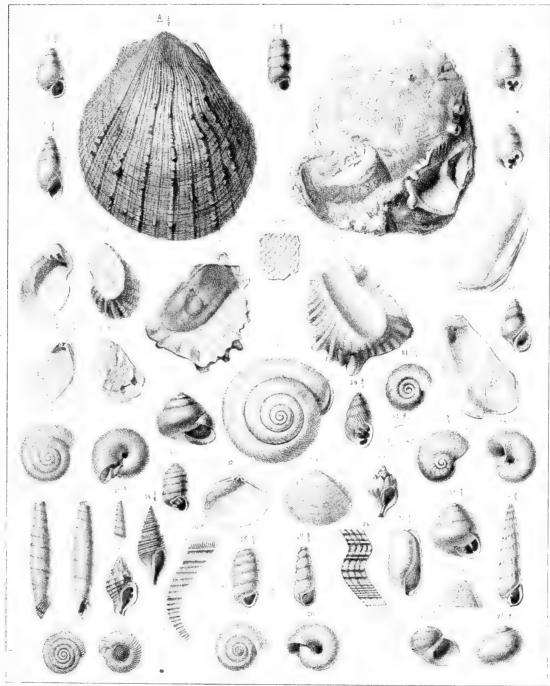
Lish Anst. v J Lebnhardt in Manz

Wiesbaden, Ch W Brodel's Verlag.

- 1 Ostrea cyałtula, Lam. 2. Terebratula opercularis, Sandb.
- 3. Terebratulina fasciculata, Sandb. 4. Argiope subradiata, id. 5. ____ crenata, id.

- Ostrea callifera Lam. Arguppe megacephala Sandò





Tufa Anst v J Tenepardt in Marnz .

- At Spondylus tenuspina, Sandh

 Sostrea callera,

 English Allera,

 Le rhenana, Merian.

 Klicatula dispar, Sandh

 Helix densipapillata, Sandh

 Mandina splendens, Braun sp.

 Menatura planapicalis, Sandh

 Pupa-cryplodus, Braun.

 Helix coloratu, Braun.

 Leigh Creppin.

Wiesbaden, Ch. W. Freidel's Verlag.

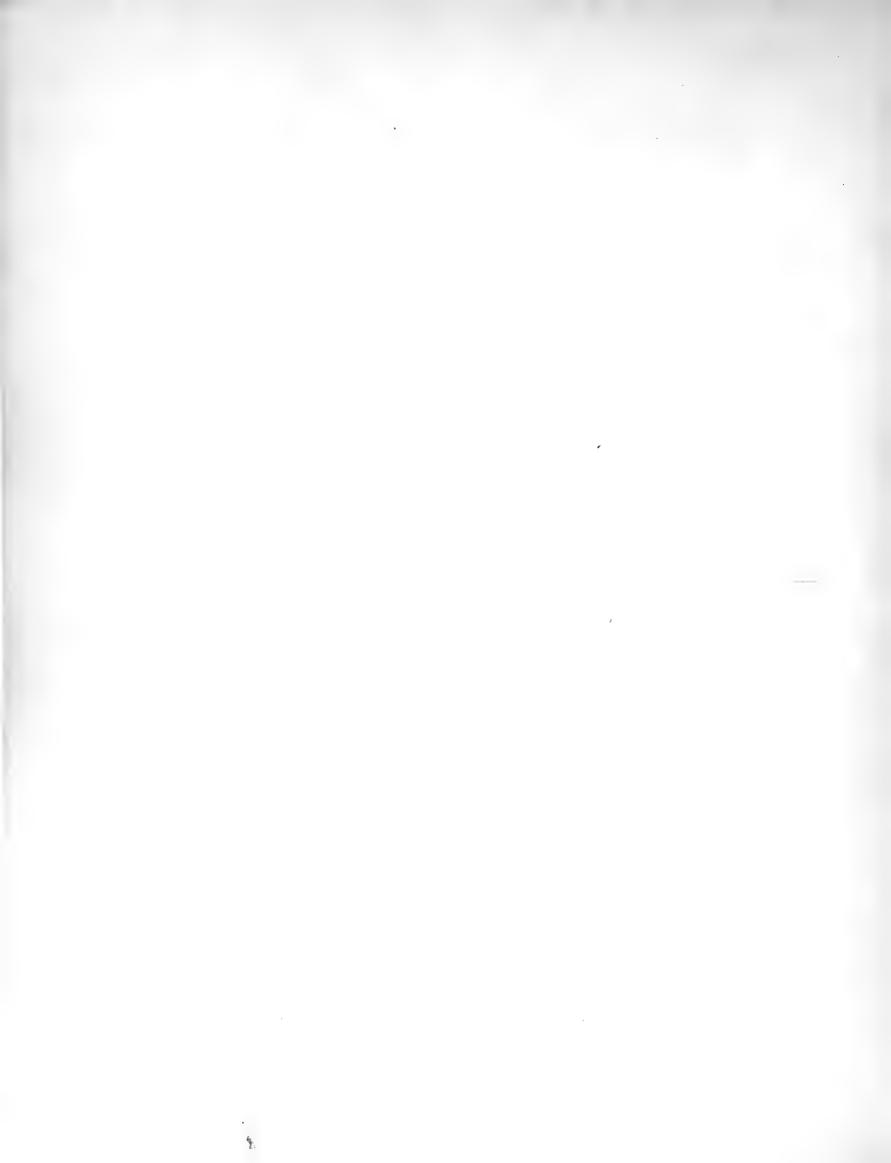
- Pupa ulloeodus Sandb.
- 12. 12. 13. 14. 25. 16. 17. 18. 19.

- Pupa ulloeodus Sando.
 subconica id
 Cyrena concentrica, id
 Murice areotifer Sandi
 Plewotoma bisingulata Sandi
 Olaushia articulata, id
 Pupa impressa, id
 Accula filifera, id
 Helix euglypha, Reuss
 Carychium costulatum, Sandb
 Helix impressa, id

J.B Kolb hift

- 22.

- 25. 26 27 28 29. 30





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